

### **Amendments to the claims:**

This listing of claims will replace all prior versions, and listings, of claims in this application.

### **Listing of New Claims:**

- 5           1. (Currently amended) An apparatus for handling a work string disposed within a rotary table on a rig comprising:
- a bowl insert having an inner portion, said inner portion having a taper of greater than 11 degrees, said bowl insert configured to fit into the rotary table;
- slip means for securing the work string within the rotary table, said slip means having an
- 10   outer portion configured to fit into said inner portion of said bowl insert, said outer portion having a taper complementary of the bowl insert taper of greater than 11 degrees, and wherein said slip means comprises a first slip having multiple inserts; a second slip having multiple inserts, and a third slip having multiple inserts and wherein said inserts have a shoulder that engages a cooperating ledge within said first, second, and third slip, and wherein said shoulder is capable
- 15   of transferring a load from said shoulder to said ledge in order to distribute the load along the length of said first, said second, and said third slip.
2. (Original) The apparatus of claim 1 wherein said inner portion taper of said bowl insert is between 12 degrees and 15 degrees.
- 20           3. (Original) The apparatus of claim 1 wherein said outer portion taper of said slip means is between 12 degrees and 14 degrees.
4. (Original) The apparatus of claim 1 wherein said inner portion taper of said bowl
- 25   insert is 12 degrees and said outer portion taper of said slip means is a complimentary angle of

12 degrees.

5. (Original) The apparatus of claim 1 wherein said slip means comprises a first, second and third slip means containing a plurality of dies for engaging the work string.

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6. (Withdrawn) A method of running a landing string into a well on a rig, the method comprising:

- providing a bowl insert having an inner portion, said inner portion having a taper of greater than 11 degrees; a slip device having dies for securing the work string within a rotary
- 10 table on the rig, said slip device having an outer portion configured to fit into said inner portion of said bowl insert, said outer portion having a taper complementary of the bowl insert taper;
- attaching the landing string to a bottom hole assembly;
- lowering a first tubular of the landing string into the rotary table located on the rig;
- placing the slip device into the rotary;
- 15 -lowering the first tubular;
- engaging the dies of the slip device with the first tubular;
- transferring the weight of the landing string axially;
- transferring the weight of the landing string transversely;
- suspending the landing string within the rotary table;
- 20 -disengaging the dies from the first tubular;
- removing the slip device from the rotary table.

7. (Withdrawn) The method of claim 6 further comprising:

- lowering a second tubular of the landing string into the rotary table located on the rig;
- 25 -placing the slip device into the rotary;

- lowering the second tubular;
- engaging the dies of the slip device with the second tubular;
- transferring the weight of the landing string axially;
- transferring the weight of the landing string transversely;
- 5      -suspending the landing string within the rotary table;
- disengaging the dies from the second tubular;
- removing the slip device from the rotary table.

8. (Withdrawn) The method of claim 6 further comprising:

- 10      -lowering a third tubular of the landing string into the rotary table located on the rig;
- placing the slip device into the rotary;
- lowering the third tubular;
- engaging the dies of the slip device with the third tubular;
- transferring the weight of the landing string axially;
- 15      -transferring the weight of the landing string transversely;
- suspending the landing string within the rotary table;
- disengaging the dies from the third tubular;
- removing the slip device from the rotary table.

20      9. (Withdrawn) The method of claim 6 wherein said inner portion taper of said bowl insert is between 11 degrees and 15 degrees relative to the vertical axis.

10. (Withdrawn) The method of claim 6 wherein said outer portion taper of said slip means is between 12 degrees and 14 degrees relative to the vertical axis.

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11. (Withdrawn) The method of claim 6 wherein said inner portion taper of said bowl insert is 12 degrees relative to the vertical axis and said outer portion taper of said slip means is a complimentary angle of 12 degrees relative to the vertical axis.

5           12. (Currently amended) An apparatus for handling a landing string disposed within a rotary table on a rig, and wherein said landing string is attached to a bottom hole assembly disposed within a well, said landing string and said bottom hole assembly creating a load, the apparatus comprising:

-a bowl insert having an inner portion, said inner portion having a taper of greater than  
10   11 degrees relative to vertical;

-slip ~~device~~ means having a plurality of die inserts for engaging the work string within the rotary table, said slip means having an outer portion configured to fit into said inner portion of said bowl insert, said outer portion having a taper complementary of the bowl insert taper;

-wherein said slip means comprises a first slip with a first and second ledge; a second  
15 slip with a first and second ledge; a third slip with a first and second ledge; a first insert with a  
shoulder that cooperates with the first ledge of the first slip; a second insert with a shoulder that  
cooperates with the second ledge of the first slip; a third insert with a shoulder that cooperates  
with the first ledge of the second slip; a fourth insert with a shoulder that cooperates with the  
second ledge of the second slip; a fifth insert with a shoulder that cooperates with the first ledge  
20 of the third slip; a sixth insert with a shoulder that cooperates with the second ledge of the third  
slip, and wherein said shoulders are capable of transferring the load from said shoulders to said  
ledges.

13. (Original) The apparatus of claim 12 wherein said inner portion taper of said bowl  
25 insert is between 11 degrees and 15 degrees relative to vertical.

14. (Original) The apparatus of claim 12 wherein said outer portion taper of said slip means is between 11 degrees and 13 degrees relative to vertical.

15. (Original) The apparatus of claim 12 wherein said inner portion taper of said bowl  
5 insert is 12 degrees relative to vertical and said outer portion taper of said slip means is a complimentary angle of 12 degrees.

16. (Original) The apparatus of claim 12 wherein said slip means comprises a first, second and third slip means containing a plurality of dies for engaging the work string.

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17. (Original) The apparatus of claim 12 wherein said bottom hole assembly is a casing string.

18. (Original) The apparatus of claim 17 wherein said landing string is a drill string.

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19. (Original) The apparatus of claim 18 wherein said rig is a floatable rig situated on an ocean, above an ocean floor.

20. (Original) The apparatus of claim 19 wherein said drill string contains a casing  
20 hanger adapted to engage a sub sea tree on the ocean floor.

21. (Currently amended) A tubular handling device comprising:

-a first slip having an arcuate inner face and an outer face, wherein said inner  
face has a first longitudinally disposed slot and wherein said first longitudinally disposed slot has  
25 a first ledge therein and wherein said first slip has an outer portion having a taper of greater

than 11 degrees relative to vertical;

-a second slip being connected to said first slip, said second slip having an arcuate inner face and an outer face, wherein said inner face has a second longitudinally disposed slot and wherein said second longitudinally disposed slot has a second ledge therein  
5 and wherein said second slip has an outer portion having a taper of greater than 11 degrees relative to vertical;

-a third slip having an arcuate inner face and outer face, wherein said inner face has a third longitudinally disposed slot and wherein said third longitudinally disposed slot has a third ledge therein and wherein said third slip has an outer portion having a taper of greater than  
10 11 degrees relative to vertical;

-means for connecting said first slip with said second slip and means for connecting said second slip with said third slip;

-a first insert having a first shoulder that is configured to fit within said first ledge, and wherein said first insert is capable of transferring a load from said first shoulder to said first  
15 ledge;

-a second insert having a second shoulder that is configured to fit within said second ledge and wherein said second insert is capable of transferring a load from said second shoulder to said second ledge;

-a third insert having a third shoulder that is configured to fit within said third ledge and wherein said third insert capable of transferring a load from said third shoulder to said  
20 third ledge;

-a fourth insert having a fourth shoulder that is configured to fit within a fourth ledge that is disposed within said first longitudinally disposed slot, and wherein said fourth insert is capable of transferring a load from said fourth shoulder to said fourth ledge;

-a fifth insert having a fifth shoulder that is configured to fit within a fifth ledge that

is disposed within said second longitudinally disposed slot, and wherein said fifth insert is capable of transferring a load from said fifth shoulder to said fifth ledge;

-a sixth insert having a sixth shoulder that is configured to fit within a sixth ledge that is disposed within said third longitudinally disposed slot, and wherein said sixth insert is  
5 capable of transferring a load from said sixth shoulder to said sixth ledge.

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Currently amended) The tubular handling device of claim 24 21 wherein said first,  
second, third, fourth, fifth, and sixth ledge has a bottom surface having an angle between minus  
15 20 degrees to plus 20 degrees relative to a horizontal plane and wherein said first, second,  
third, fourth, fifth, and sixth shoulder on said inserts has a complimentary angle of between  
minus 20 degrees to plus 20 degrees.

26. (Original) The tubular handling device of claim 25 wherein said inserts are  
20 constructed of a low carbon alloy steel material.

27. (Original) The tubular handling device of claim 26 wherein said first insert has a first  
handle member, and said second insert has a second handle member.

28. (Currently amended) The tubular handling device of claim ~~20~~ 21 further comprising

a bowl insert having an inner portion having a mating taper of greater than 11 degrees, and wherein said first, second and third slips are disposed within said bowl insert.

29. (Currently amended) A rotary slip apparatus for handling tubular members on a drill rig floor, the rotary slip apparatus comprising:

-a first slip having a first arcuate inner face and an outer face, wherein said inner face has a first longitudinally disposed slot and wherein said first longitudinally disposed slot has a first ledge therein and wherein said first slip has an outer portion having a taper of greater than 11 degrees;

-a second slip being connected to said first slip, said second slip having a second arcuate inner face and an outer face and wherein said second slip has an outer portion having a taper of greater than 11 degrees, wherein said inner face of said second slip has a second longitudinally disposed slot and wherein said second longitudinally disposed slot has a second ledge therein;

-a third slip having a third arcuate inner face and outer face and wherein said third slip has an outer portion having a taper of greater than 11 degrees, wherein said inner face of said third slip has a third longitudinally disposed slot and wherein said third longitudinally disposed slot has a third ledge therein;

-first means for attaching said first slip with said second slip and second means for attaching said second slip with said third slip;

-a first insert having a first shoulder that is configured to fit within said first ledge, and wherein said first shoulder transfers a load from said first insert to said first ledge;

-a second insert having a second shoulder that is configured to fit within said second ledge and wherein said second shoulder transfers the load from said second insert to said second ledge;



-a third insert having a third shoulder that is configured to fit within said third ledge and wherein said third shoulder transfers a load from said third insert to said third ledge;

-a fourth insert having a fourth shoulder that is configured to fit within a fourth ledge disposed within said first longitudinally disposed slot, and wherein said fourth shoulder  
5 transfers the load from said fourth insert to said fourth ledge;

-a fifth insert having a fifth shoulder that is configured to fit within a fifth ledge disposed within said second longitudinally disposed slot of said second slip and wherein said  
10 fifth shoulder transfers the load from said fifth insert to said fifth ledge;

-a sixth insert having a sixth shoulder that is configured to fit within a sixth ledge  
10 disposed within said third longitudinally disposed slot of said third slip and wherein said sixth  
shoulder transfers a load from said first insert to said sixth ledge.

30. (Canceled)

15 31. (Canceled)

32. (Canceled)

33. (Canceled)

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34. (Canceled)

35. (Currently amended) The rotary slip apparatus of claim 34 29 wherein said first  
insert, said second insert, and said third insert are constructed of a low carbon alloy steel  
25 material.

36. (Original) The rotary slip apparatus of claim 35 wherein said first, second, and third ledge has a bottom surface having an angle of minus twenty (-20) degrees to twenty (20) degrees relative to a horizontal plane and wherein said first shoulder, second shoulder and third shoulder on said first insert, said second insert and said third insert has a complimentary angle of minus twenty (-20) degrees to twenty (20) degrees.

37. (Currently amended) A method of engaging a tubular member within in a rotary table on a drill rig floor comprising:

-providing a slip device, said slip device comprising: a first slip having an arcuate inner face and an outer face, wherein said inner face has a first longitudinally disposed slot and wherein said first longitudinally disposed slot has a first ledge therein and a second ledge therein; a second slip being connected to said first slip, said second slip having an arcuate inner face and an outer face, wherein said inner face has a second longitudinally disposed slot and wherein said second longitudinally disposed slot has a ~~second~~ third ledge therein and a fourth ledge therein; a third slip having an arcuate inner face and outer face, wherein said inner face has a third longitudinally disposed slot and wherein said third longitudinally disposed slot has a ~~third~~ fifth ledge therein and a sixth ledge therein; a first insert having a shoulder that is configured to fit within said first ledge; a second insert having a shoulder that is configured to fit within said second ledge; a third insert having a shoulder that is configured to fit within said third ledge; a fourth insert having a shoulder that is configured to fit within said fourth ledge; a fifth insert having a shoulder that is configured to fit within said fifth ledge; and a sixth insert having a shoulder that is configured to fit within said sixth ledge;

-placing a first tubular member within the rotary table on the drill rig floor;

-inserting the slip device into the rotary table;

-engaging the slip device about the first tubular member so that the first insert,

the second insert, ~~and the third insert,~~ fourth insert, fifth insert, and sixth insert engage the first tubular member and wherein the first tubular member is suspended from the rotary table thereby creating a load;

5        -transferring the load of the first tubular member to the first insert, the second insert, and the third insert, fourth insert, fifth insert, and sixth insert;

      -~~transferring the load of the first insert, the second insert, and the third insert to the first shoulder, the second shoulder and third shoulder,~~ the shoulder's of the fourth insert, fifth insert, and sixth insert inserts;

10       -transferring the load from the shoulder's of the fourth insert, fifth insert, and sixth insert ~~first, second and third shoulder to the first, second and third ledge~~ to the ledges of the respective first, second and third slip so that the load of the first tubular member is distributed about the length of the first slip, the second slip and the third slip.

38. (Currently amended) The method of claim 37 further comprising:

15       -threadedly connecting a second tubular member to said first tubular member;  
      -removing the slip device from the rotary table;  
      -lowering the connected first tubular member and the second tubular member;  
      -inserting the slip device into the rotary table;  
      -engaging the slip device about the second tubular member;

20       -transferring the load of the first and the second tubular member to the first, the second, ~~and the third insert,~~ fourth insert, fifth insert, and sixth insert;

      -~~transferring the load of the first and the second tubular member from the first, second and third shoulder to the first, second and third ledge of the respective first, second and third slip~~ shoulder's of the inserts to the ledges of the respective first, second and third slip so  
25       that the load of the first and the second tubular member is distributed about the length of the

first slip, the second slip and the third slip.